

Customer Protocol:

Ciprofloxacin solution – 2 mg / mL

Materials required:

Product name	Recommended supplier	Catalog number
Ciprofloxacin ≥98.0% (HPLC)	Sigma-Aldrich	17850-5G-F
HCl 1M		
Sterile water		
0.22 µm filter		
Sterile 50 mL conical tube		

Procedure:

1. Turn on biosafety cabinet, clean surfaces according to instructions. Leave on full flow for at least 15 minutes.
2. Prepare a 0.1 M solution of HCl by diluting HCl 1 M 10-fold with water.
Note: Assure the solution is at room temperature before continuation with the protocol.
3. Weigh 80 mg ciprofloxacin and add to the 50 mL conical tube.
4. Add 40 mL of HCl 0.1 M solution to the conical tube containing ciprofloxacin.
5. Mix the solution by inverting 10x.
6. Sterile through 0.22 µm filter.
7. In the BSC, aliquot ciprofloxacin solution in sterile tubes on cooling block using a multi-channel pipet and sterile pipet tips.

Storage:

We recommend to store the solution at -20°C until use.

Additionally we recommend to store at 2-8°C after thawing and avoid multiple freeze/thaw cycles.